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Dynamic adaptive pre-tenuring

[psu.edu](#) [PDF]

TL Harris - Proceedings of the 2nd international symposium on ..., 2000 - portal.acm.org

... object's lifetime was considered to extend until the space it occupies was re- claimed by the

garbage collector. ... VM logged the class of the object, the last 5 methods at the **allocation** site, each ... de-allocated and if, at that time, the object had been promoted to the old **generation**. ...

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Pretenuring in java by object lifetime and reference density using scratch-pad memory

KF Chong, CY Ho, AS Fong - Parallel, Distributed and Network ..., 2007 - [ieeexplore.ieee.org](#)

... to conclude that using stack predictor with stack depth of four can achieve the greatest

effectiveness of site **prediction**. ... **allocation** site ... To exploit **generational garbage collection**, we introduce an effective pretenuring mechanism, which makes use of object lifetime and reference ...

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Method and apparatus for byte **allocation** accounting in a system having a multi-threaded application and a **generational garbage collector** that dynamically pre- ...

DL Dellefs, A Printezis, F Rojas - US Patent 7,596,667, 2009 - Google Patents

... This process begins in step 500 and proceeds to step 502 where, during a young **generation collection**, the number of bytes allocated at ... If **garbage collection** is being performed by parallel threads, each thread has a private array that maps global **allocation** site identifiers to ...

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15th Euromicro International Conference on Parallel, Distributed and Network-Based Processing (PDP'07)

KF Chong, CY Ho, AS Fong - 2007 - computer.org

... to conclude that using stack predictor with stack depth of four can achieve the greatest

effectiveness of site **prediction**. ... **allocation** site ... To exploit **generational garbage collection**, we introduce an effective pretenuring mechanism, which makes use of object lifetime and reference ...

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Method and apparatus for dynamically pre-tenuring objects in a **generational garbage collection** system

DL Dellefs, A Printezis, F Rojas - US Patent 7,606,989, 2009 - Google Patents

... "Pre-tenuring" is a technique that increases the efficiency of **generational garbage collection** by identifying ... than-average lifetimes, decreasing their survival rates and increasing the efficiency of **collection**. ... is identifying the object allo- cations to be allocated in the old **generation**. ...

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[psu.edu](#) [PDF]

KF Chong, AS Fong - IJCSNS, 2006 - Citeseer

... The **prediction** algorithm is shown as follows: ... we use a Memory Management Toolkit (MMTk)

packaged in Jikes for memory **allocation** and **garbage** ... To exploit **generational garbage collection**, we introduce a pretenuring mechanism, which is premised on object lifetime and ...

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[PDF] Cache Memory Design Trade-offs for Current and Emerging Workloads

[psu.edu](#) [PDF]

M Karlsson - 2003 - Citeseer

... Paper C Introduces the CAT cache time metric and points out the large miss ratio re- duction

that can be obtained by selective **allocation**. ... We tuned the **garbage collection** mechanism in the virtual machine by increasing the size of the new **generation** to 400 MB. ...

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Computers for symbolic processing

[psu.edu](#) [PDF]

BW Wah, MB Lowrie, GJ Li - Proceedings of the IEEE, 2002 - [ieeexplore.ieee.org](#)

... solution of the problem may be arbitrarily large, thereby necessitating dynamic **allocation** of

memory ... computer chips personal systems * business * finance * wine tasting others Understanding

Generation Translation ... both small-grain and large- grain ill-structured **collection** of facts ...

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[PDF Waste Management in Mexico: key variables in play The case of the Autonomous University of Baja California](#) [eur.nl \(PDF\)](#)

CA de Vega - publishing.eur.nl

... **collection**, storage, transportation, reuse, recycling, treatment and final disposal..... 93 ... global and from the immediate and short term to the needs of the next **generation** (Nadakavaukaren, ... energy, endpoint of waste and **garbage**) and its contribution to a sustainable ...


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[Preparing to Be Colonized: Land Tenure and Legal Strategy in Nineteenth-Century Hawaii](#)

S Banner - Law & Society Review, 2005 - interscience.wiley.com

... to the ali'i. The rights of the maka'a'inana were per- petual, and handed down from **generation** to **generation**, so long ... unman- ageably large, it allowed the king and the chiefs to retain their traditional control over the **allocation** of land ... Large tracts of valuable land lie waste, as the ...

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